

STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL PROTECTION-BUREAU OF AIR POLLUTION CONTROL

**Director's Review and Preliminary Determination of Permit Issuance  
for**

**Department of the Army – Hawthorne Army Depot  
1 South Maine Avenue, Hawthorne, Nevada 89415-5000**

**September 12, 2012**

Hawthorne Army Depot (HWAD) submitted an application for a new Class I Air Quality Operating Permit to Construct (OPTC) AP9711-3088 to the Nevada Division of Environmental Protection – Bureau of Air Pollution Control (BAPC). HWAD is located in Mineral County, Nevada, approximately 1 mile north of Hawthorne, Nevada, U.S. Hwy 95 North. HWAD currently operates under a Title V Operating Permit (Main Base, AP9711-0863.02), an Operating Permit to Construct for BEDS (AP9711-1489), an Operating Permit to Construct for COMP A5 (AP9711-2757), and a Class II Air Quality Operating Permit for New Bomb (AP9711-1134.02).

HWAD proposes to install and operate a portable MP2 Rotochopper wood grinder with a 275 HP CAT C7 diesel engine, that will be used to shred wood pallets and other waste wood material at HWAD at various sites within the Main Base facility; and a Cedarapids horizontal impact crusher with a 400 HP John Deere diesel engine, that will be used to reduce the size of metals in used practice bombs at HWAD.

The HWAD facility-wide potential-to-emit (PTE) with the new OPTC is shown in the table below:

As proposed, HWAD will continue to be a Class I source. The potential-to-emit (PTE) of each regulated air pollutant is less than the 250 ton per year PSD threshold for major stationary source designation. The new OPTC is not a PSD permit action. The diesel engines will be subject to NSPS Subpart IIII and NESHAP Subpart ZZZZ standards under the operating conditions specified in the new OPTC.

HWAD Facility-Wide Potential to Emit		
Pollutant		Tons/Year
PM	Particulate Matter	79.9
PM <sub>10</sub>	Particulate matter <10 microns in diameter	76.4
NO <sub>x</sub>	Oxides of Nitrogen	246.6
CO	Carbon monoxide	28.1
VOC	Volatile Organic Compounds	25.2
SO <sub>2</sub>	Sulfur Dioxide	84.1
Pb	Lead	9.0
HAPs	Combined Hazardous Air Pollutants	24.9

The project is located in Air Quality Hydrographic Area (HA) 110C – Walker Lake Valley. HA 110C is currently unclassified for PM<sub>10</sub>, NO<sub>x</sub>, CO, SO<sub>2</sub>, O<sub>3</sub>, and lead criteria pollutants, which have an ambient air quality standard. The air quality analyses demonstrate that the emissions from the new permit will not cause or contribute to a violation of any applicable federal or state ambient air quality standards.

The BAPC has reviewed the application and has made a preliminary determination to issue the new OPTC AP9711-3088. HWAD must comply with all State and Federal air quality requirements and all conditions established within the new Class I OPTC. HWAD will be required to submit an application for revision to their existing Title V Air Permit AP9711-0863.02 within 12 months after startup of the new wood chipper and metal crusher operations.